EDS ACTIVITY ASSIGNMENT[1]:

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Batch: ME3

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Subject: EDS

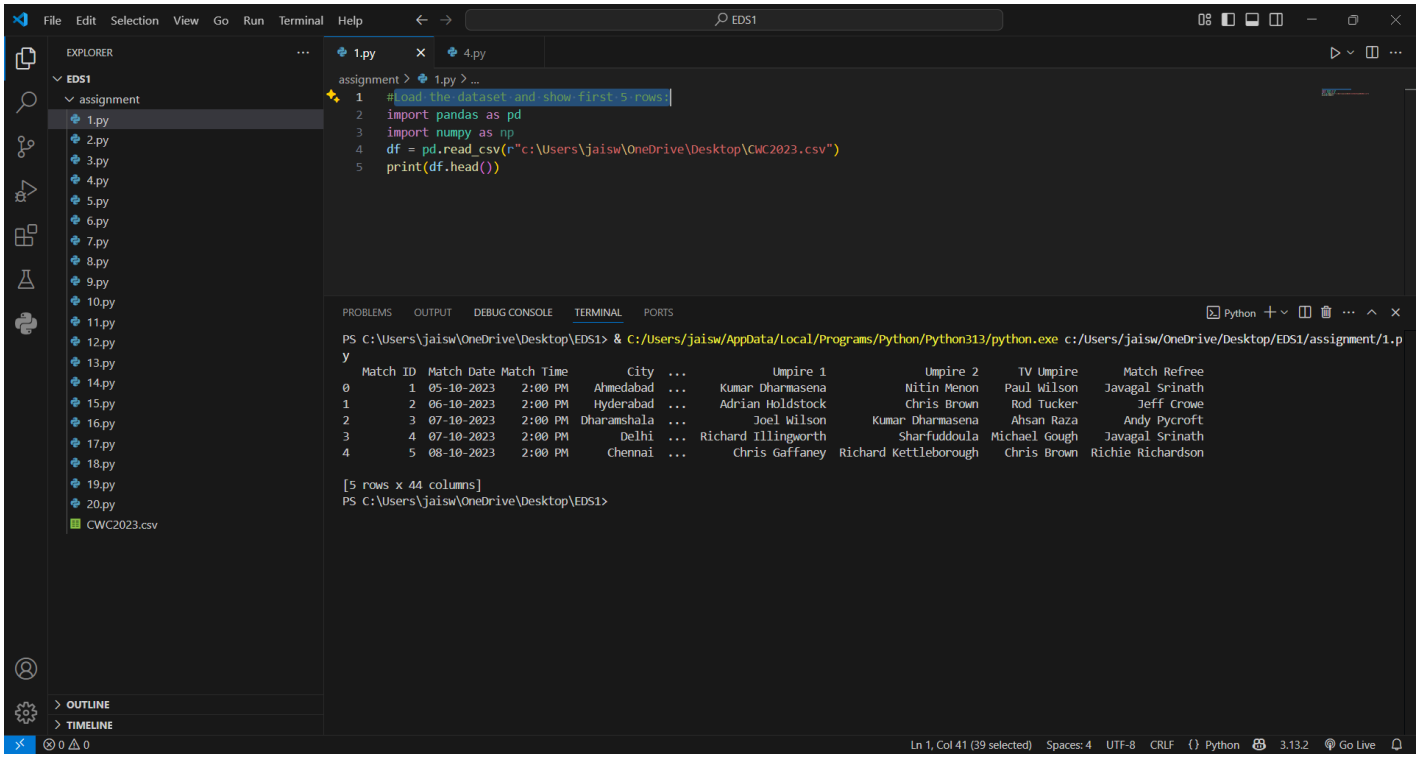
Ques: Formulate 20 problem statements for a given dataset using Numpy and Pandas and Apply Numpy and pandas methods to find the solution for the formulated problem statements.

Dataset: Cricket World Cup Dataset

Problem Statement 1:

Load the dataset and show first 5 rows

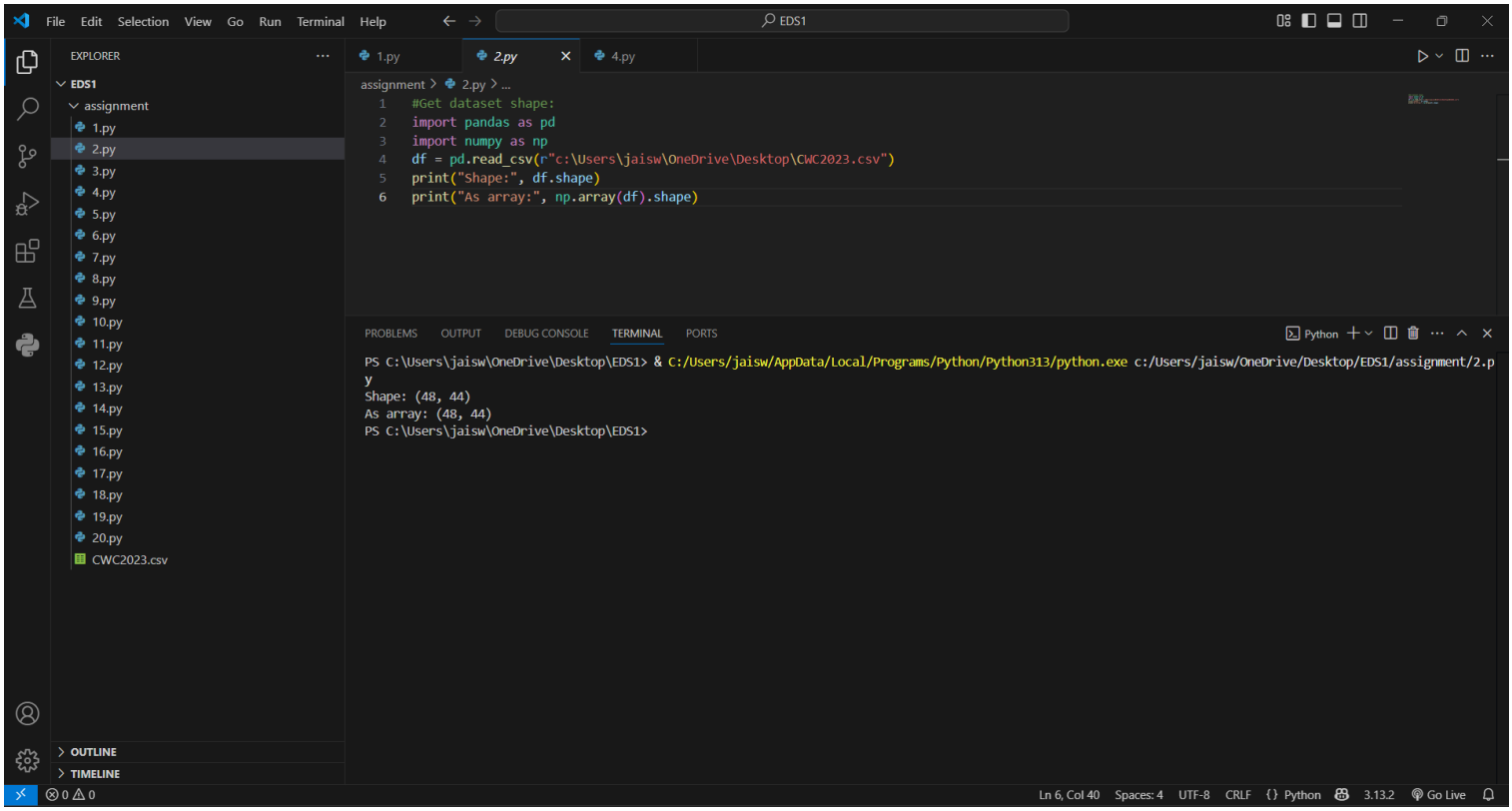
Code and output Screenshot:



Problem Statement 2:

Get dataset shape

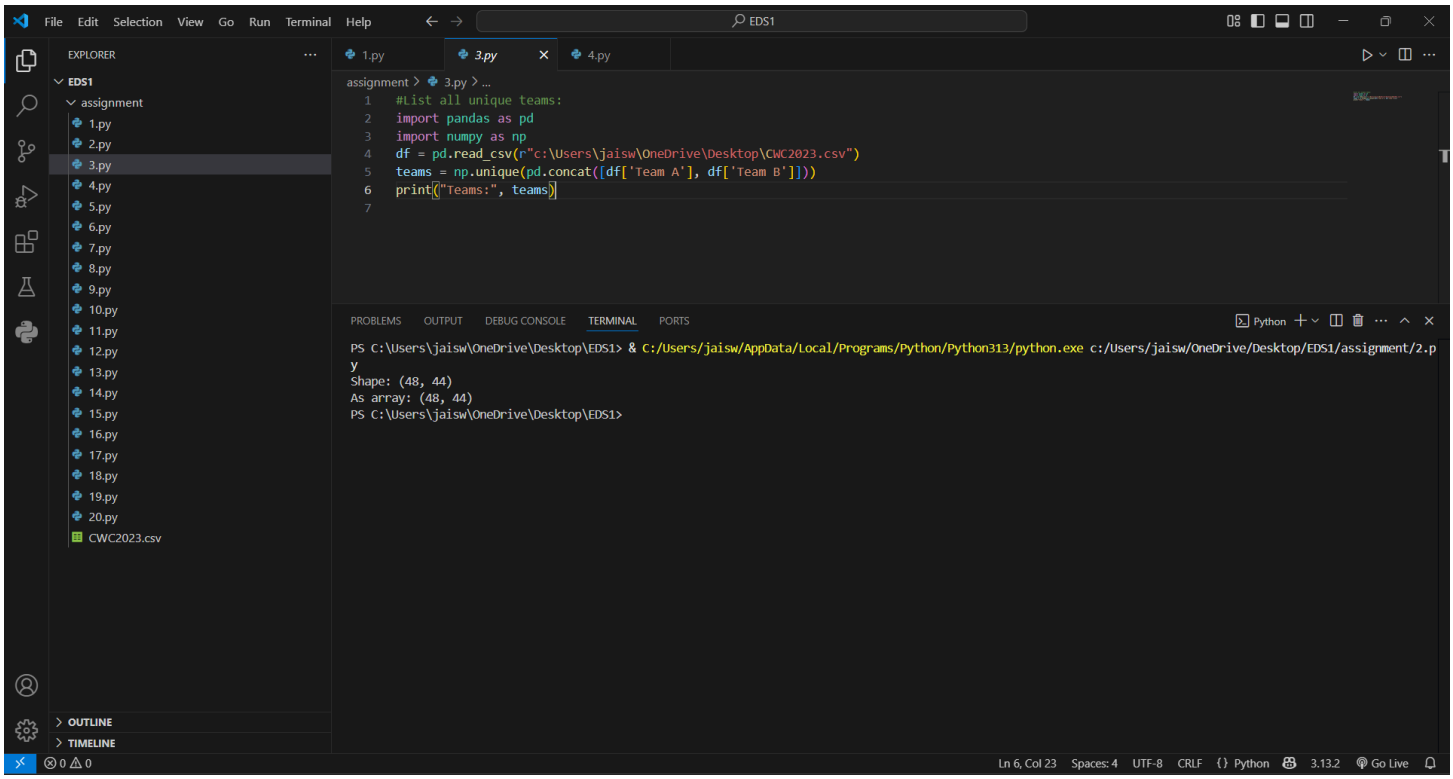
Code and output Screenshot:



Problem Statement 3:

List all unique teams

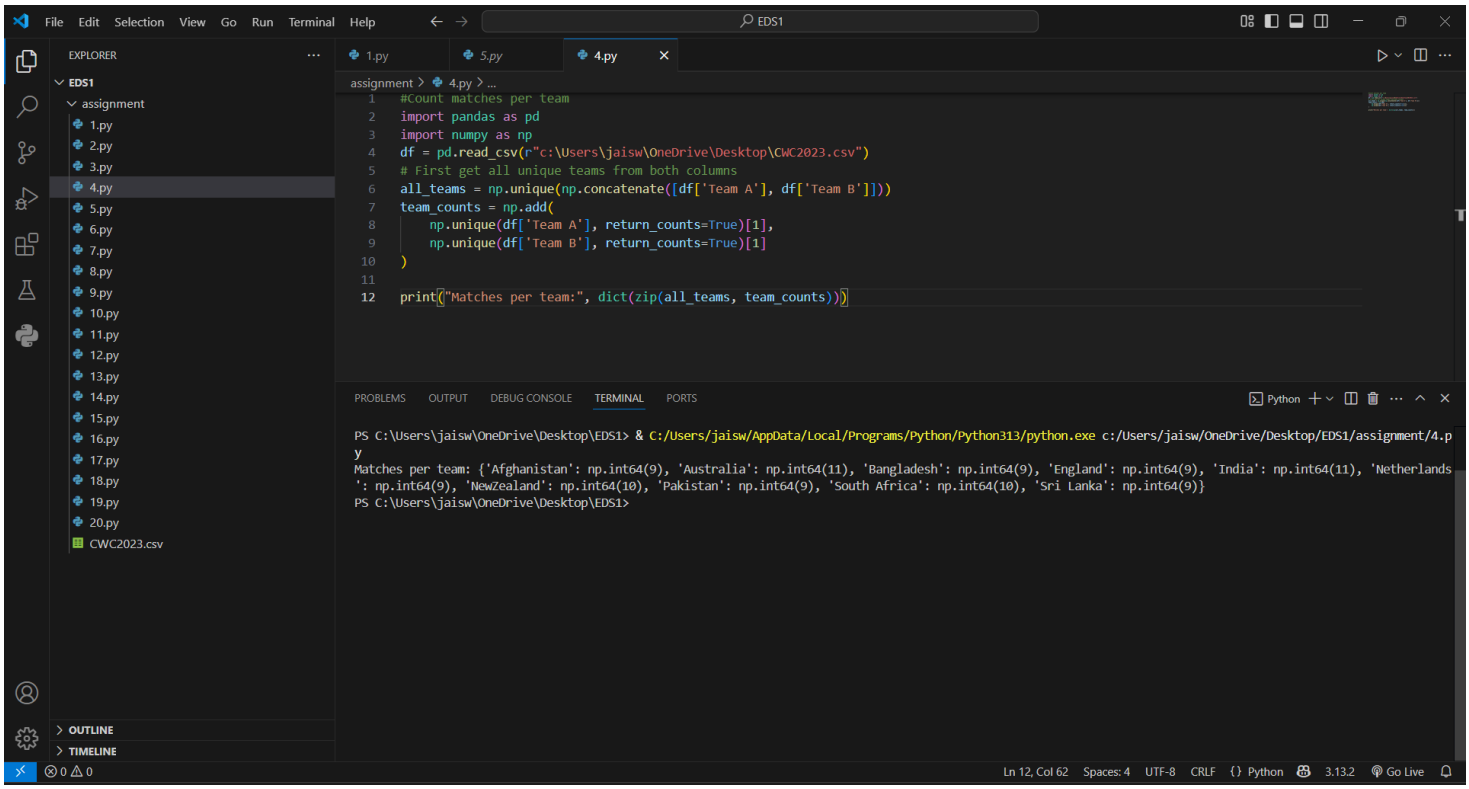
Code and output Screenshot:



Problem Statement 4:

Count matches per team

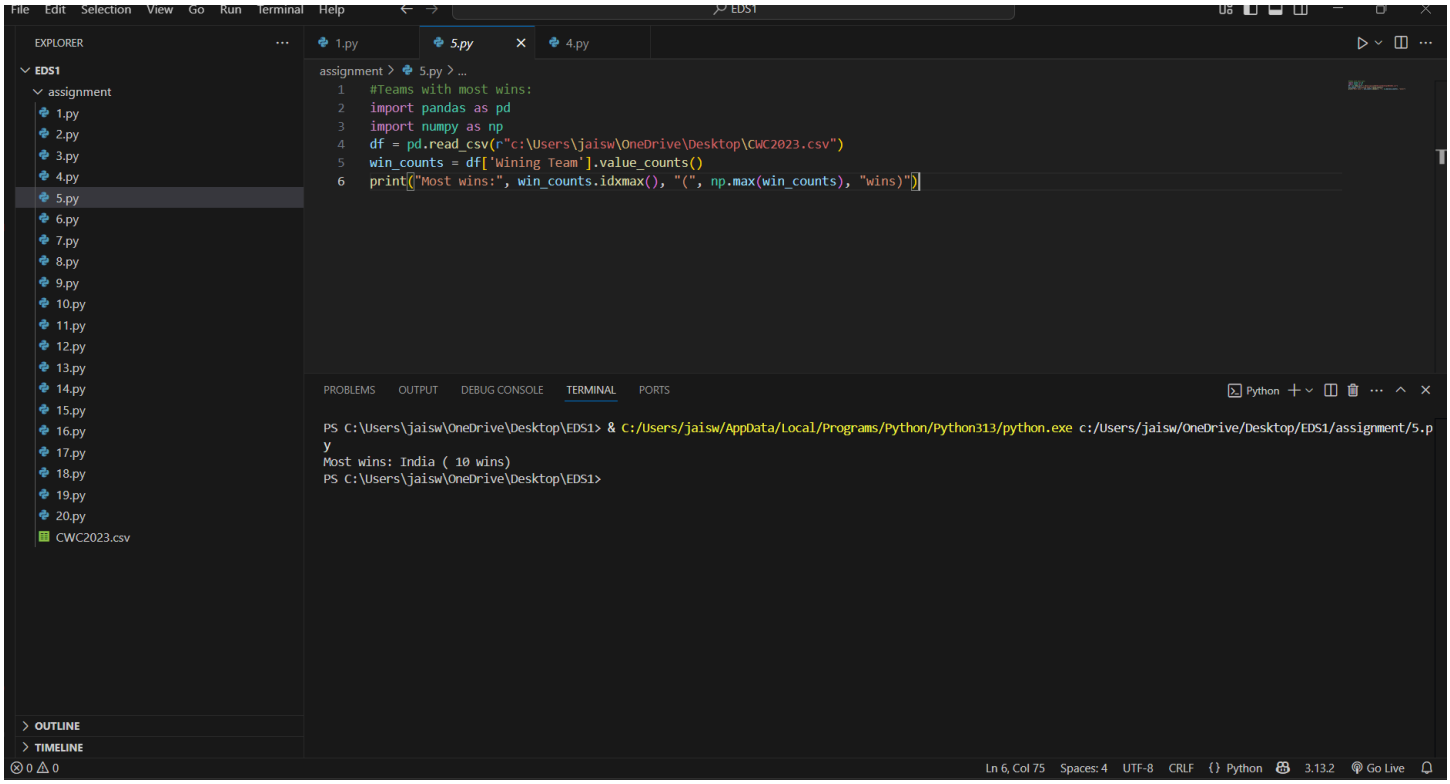
Code and output Screenshot:



Problem Statement 5:

Teams with most wins

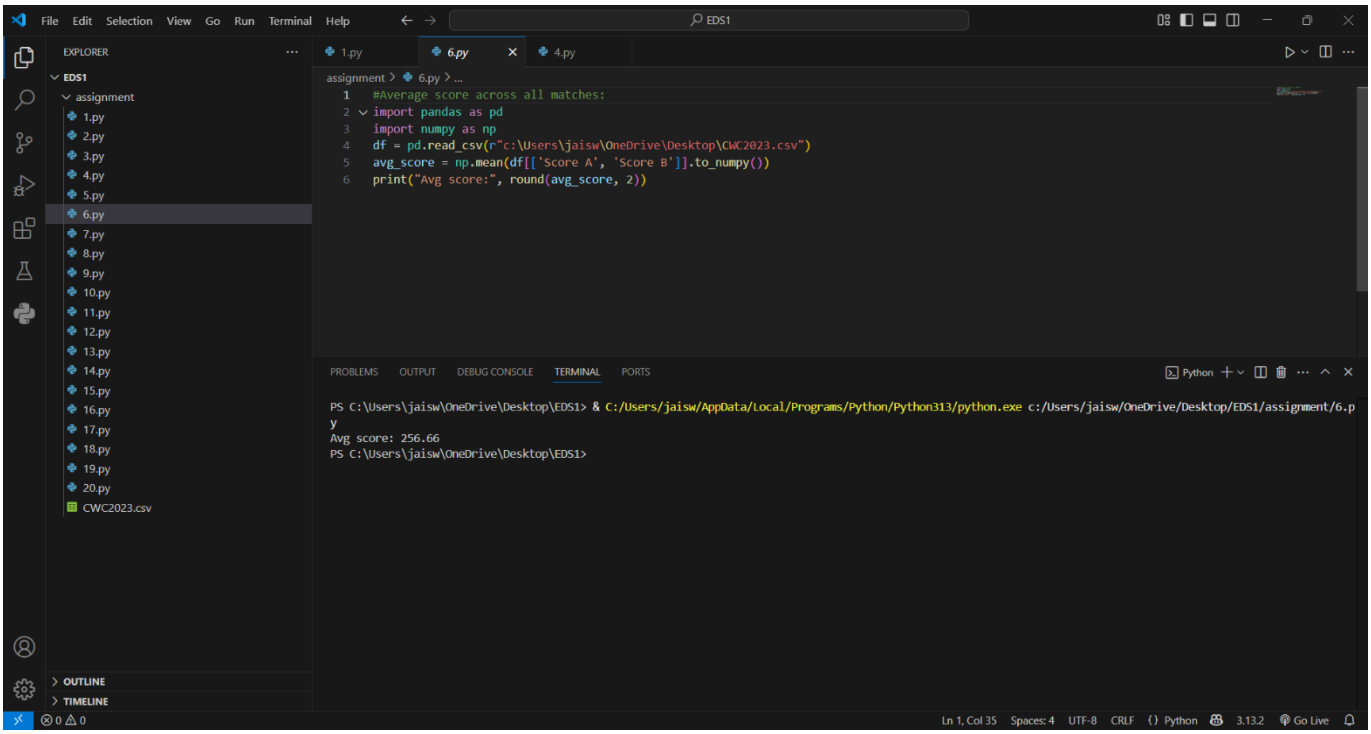
Code and output Screenshot:



Problem Statement 6:

Average score across all matches

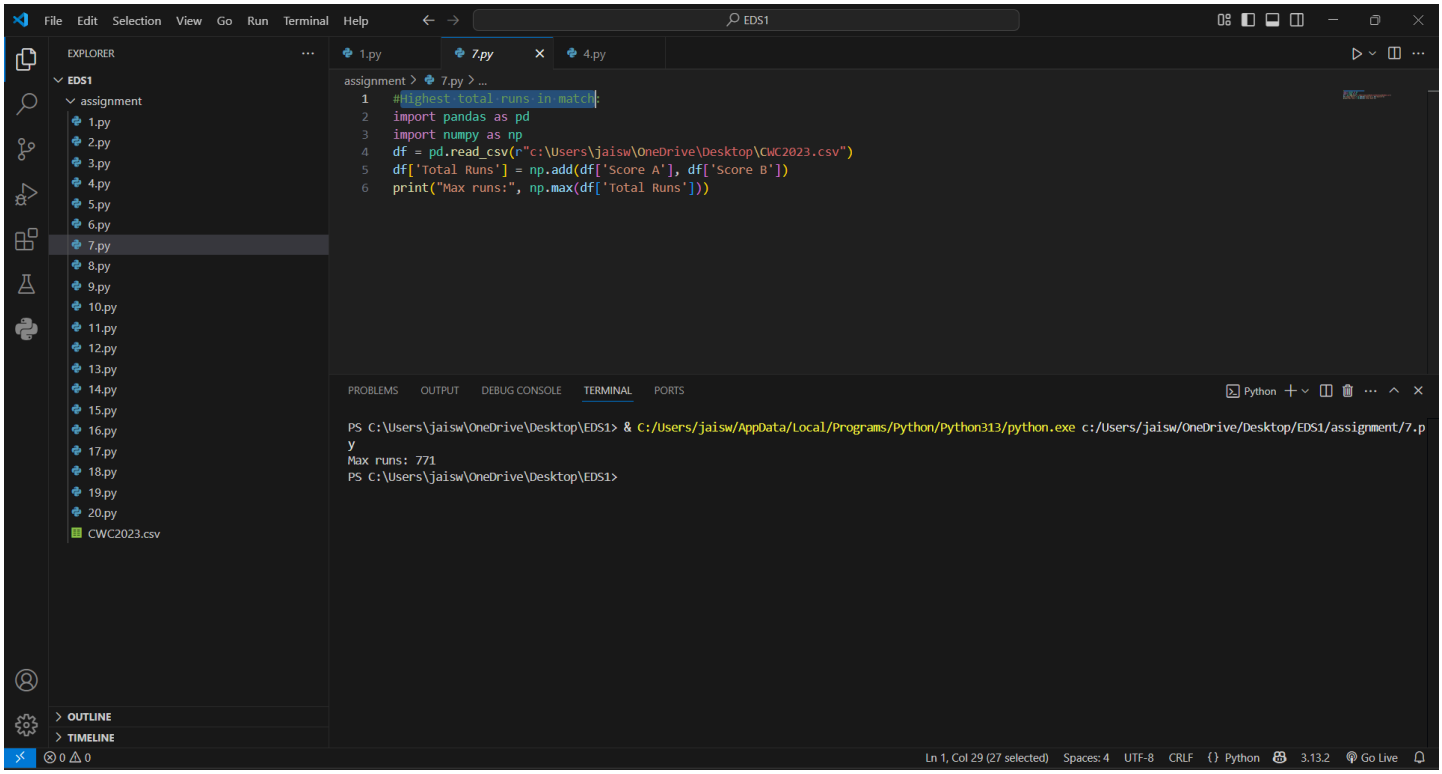
Code and output Screenshot:



Problem Statement 7:

Highest total runs in match

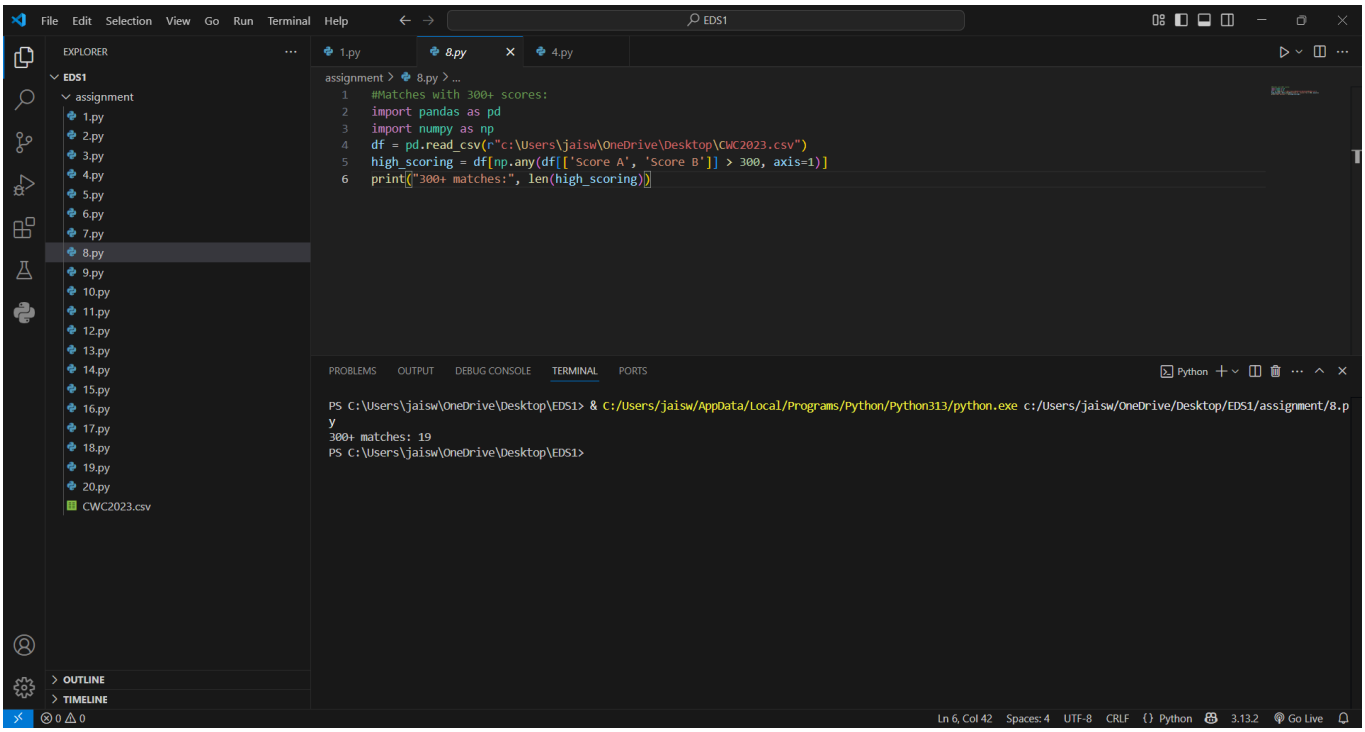
Code and output Screenshot:



Problem Statement 8:

Matches with 300+ scores

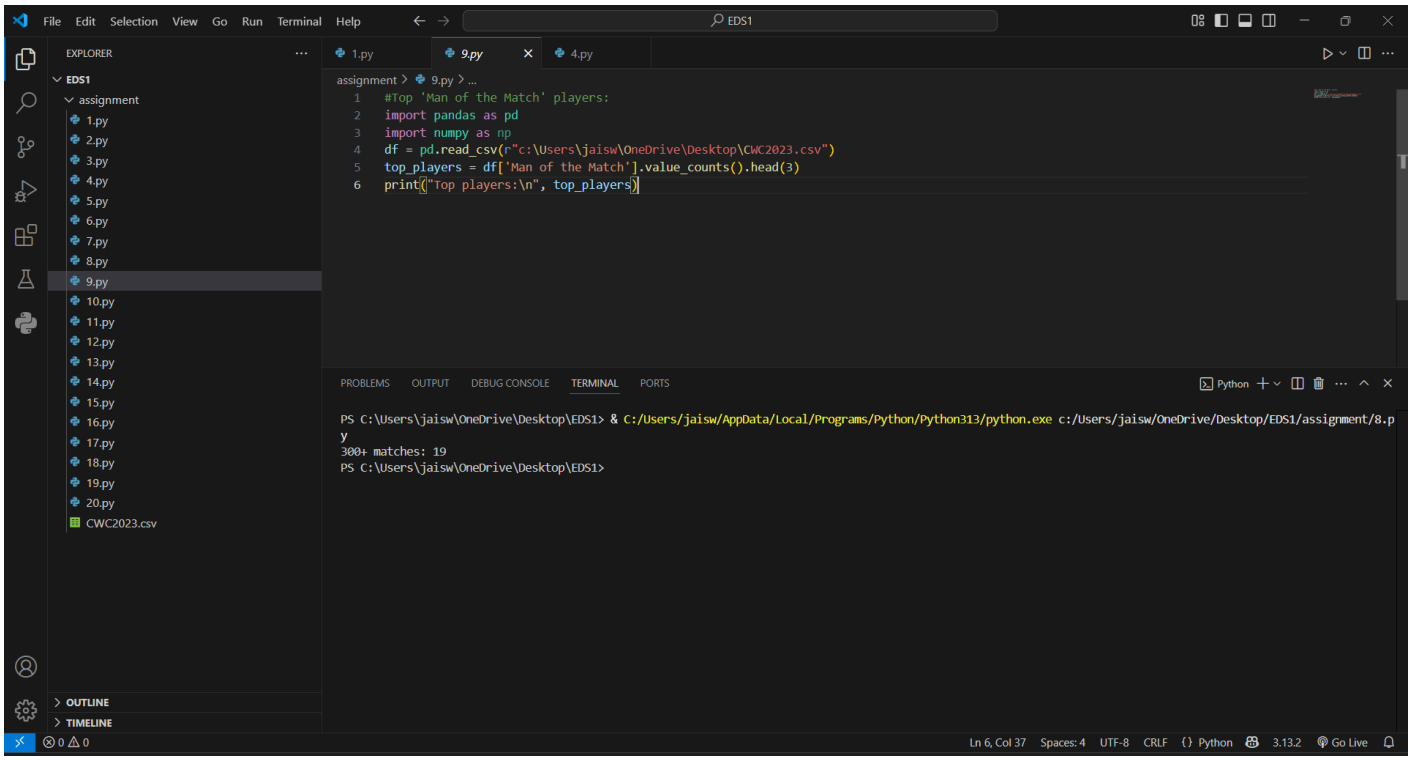
Code and output Screenshot:



Problem Statement 9:

Top 'Man of the Match' players

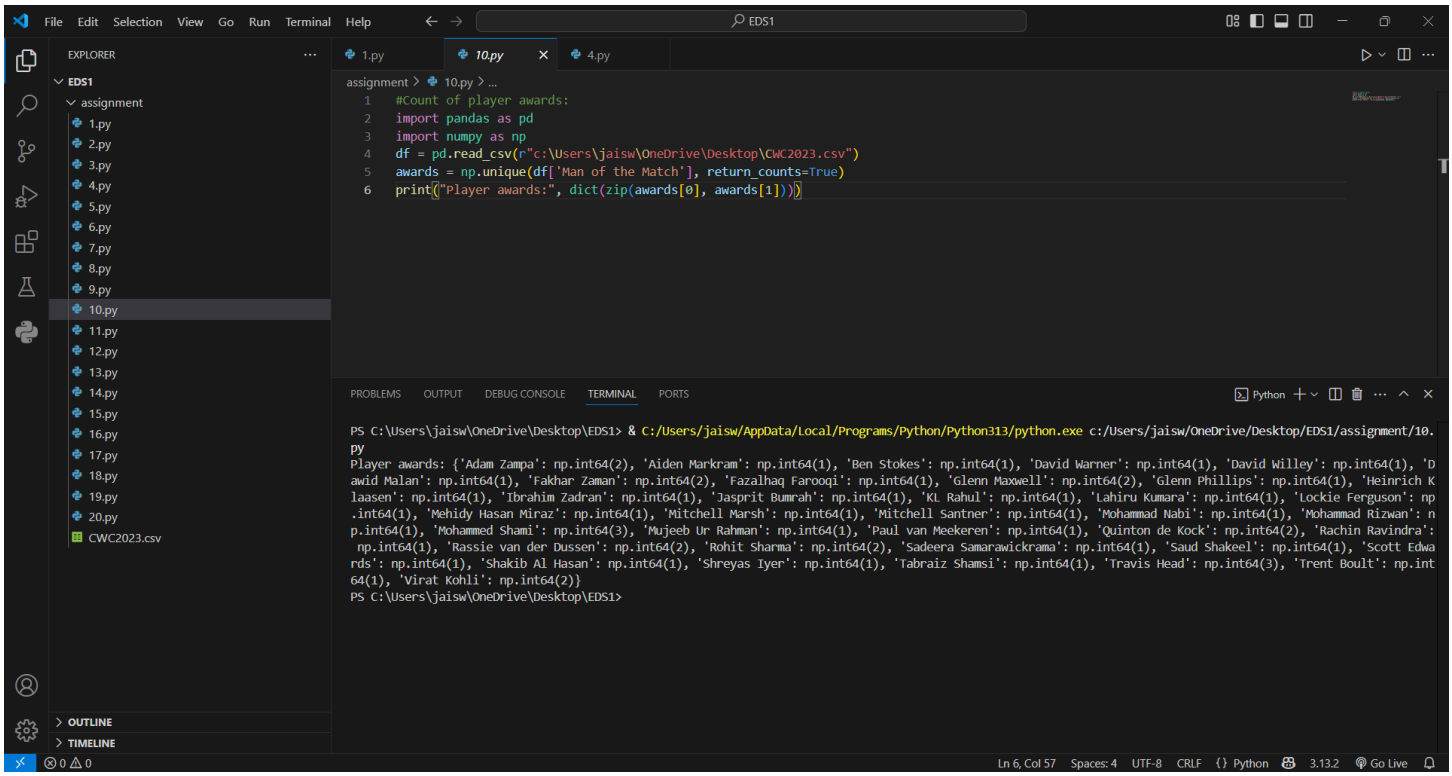
Code and output Screenshot:



Problem Statement 10:

Count of player awards

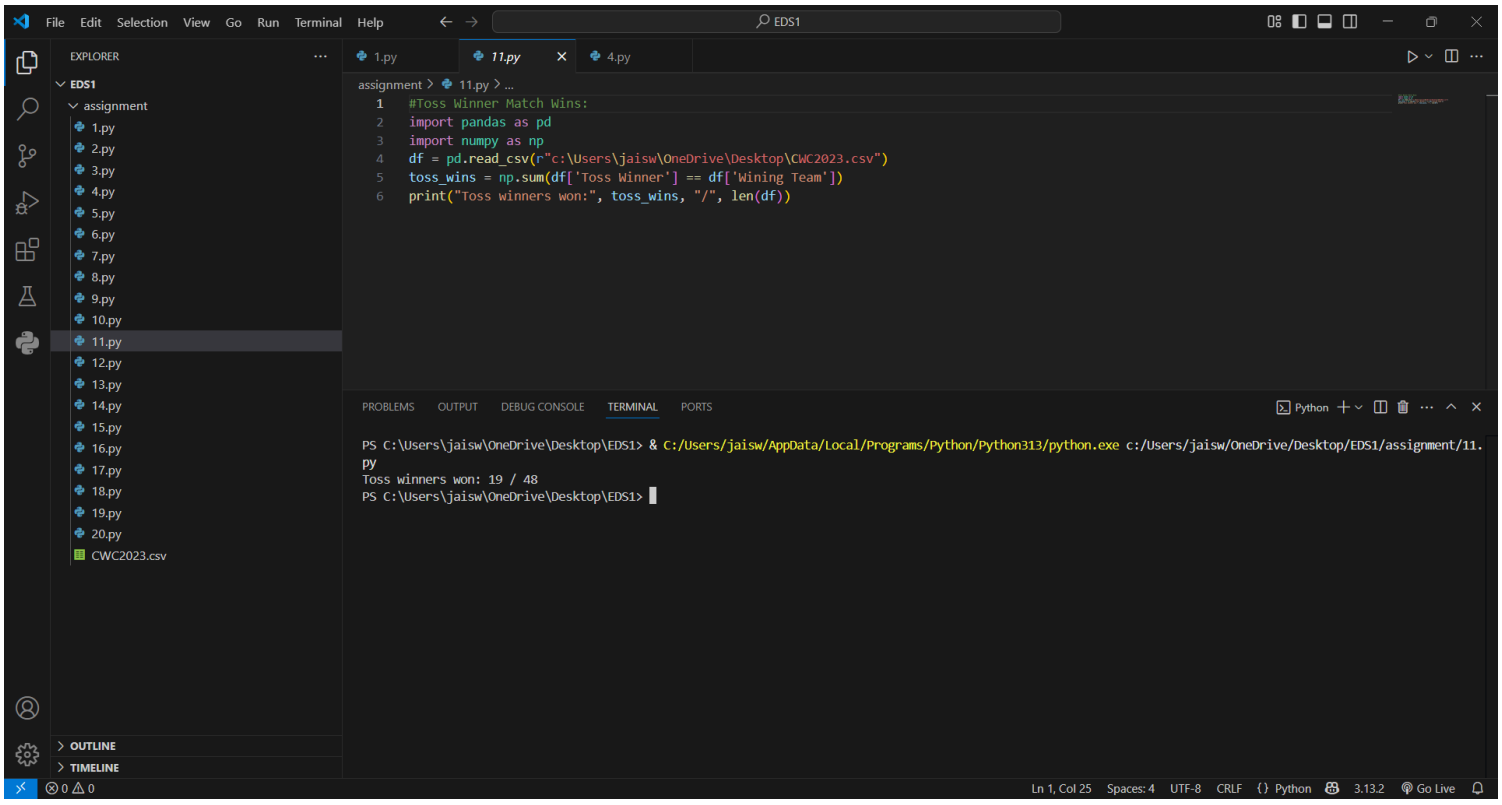
Code and output Screenshot:



Problem Statement 11:

Toss Winner Match Wins

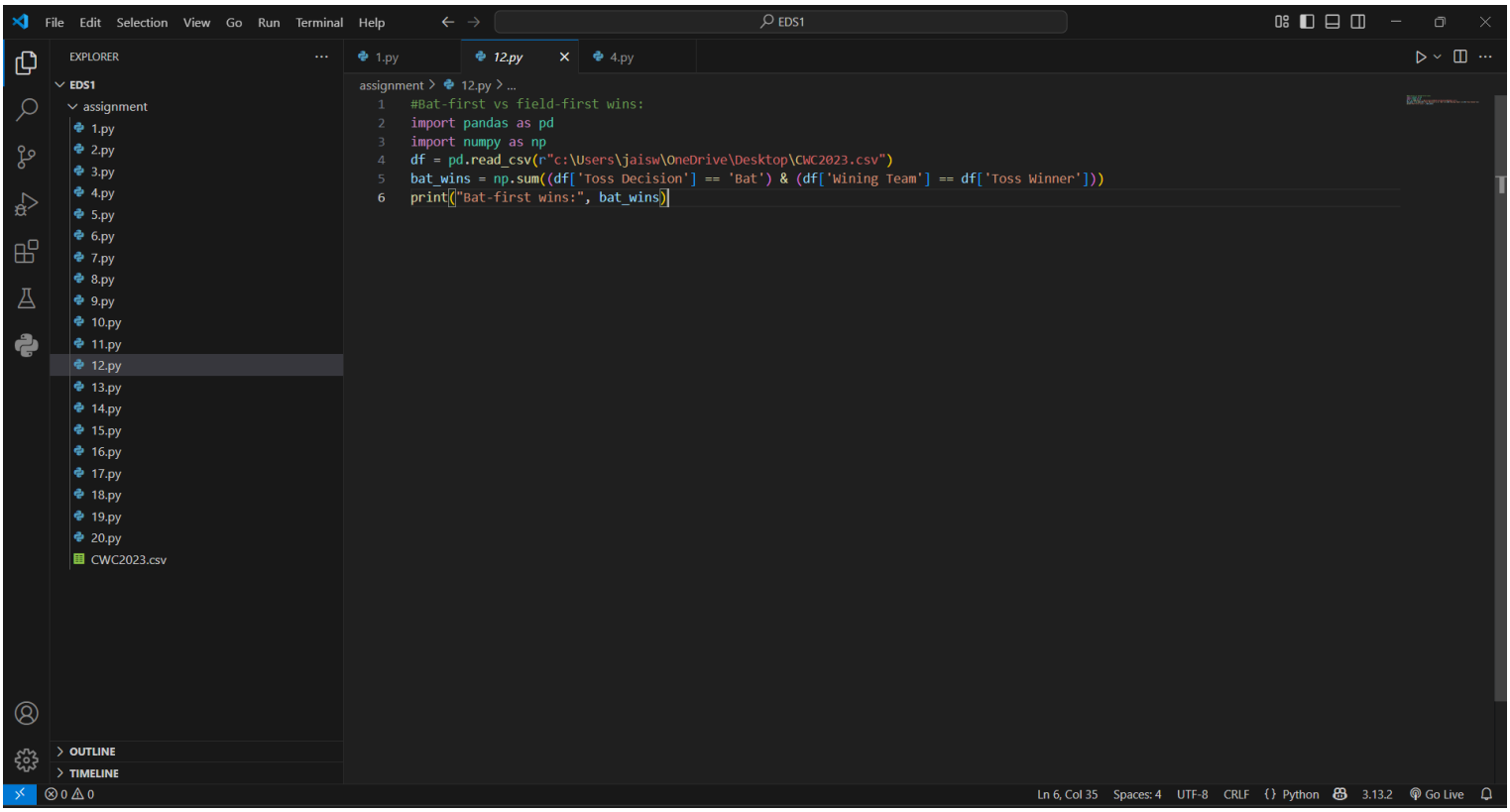
Code and output Screenshot:



Problem Statement 12:

Bat-first vs field-first wins

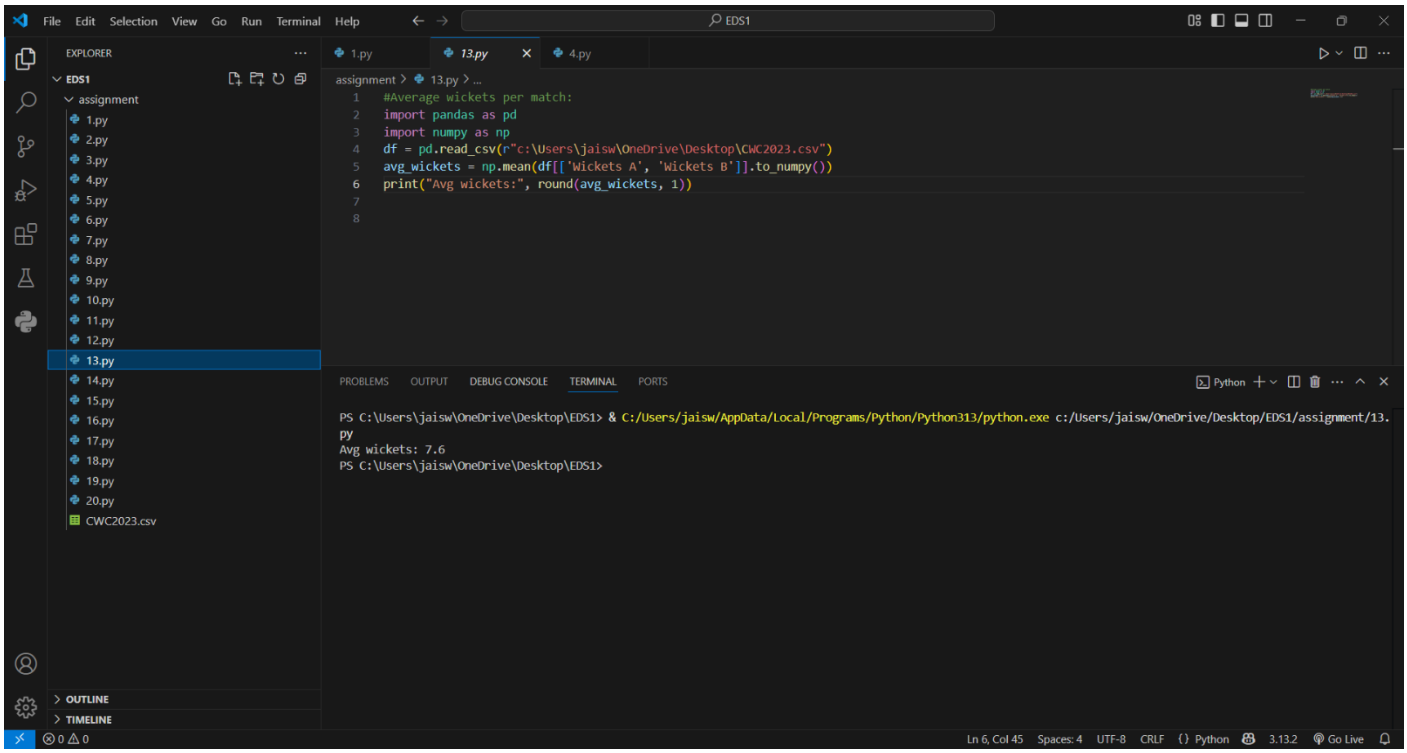
Code and output Screenshot:



Problem Statement 13:

Average wickets per match

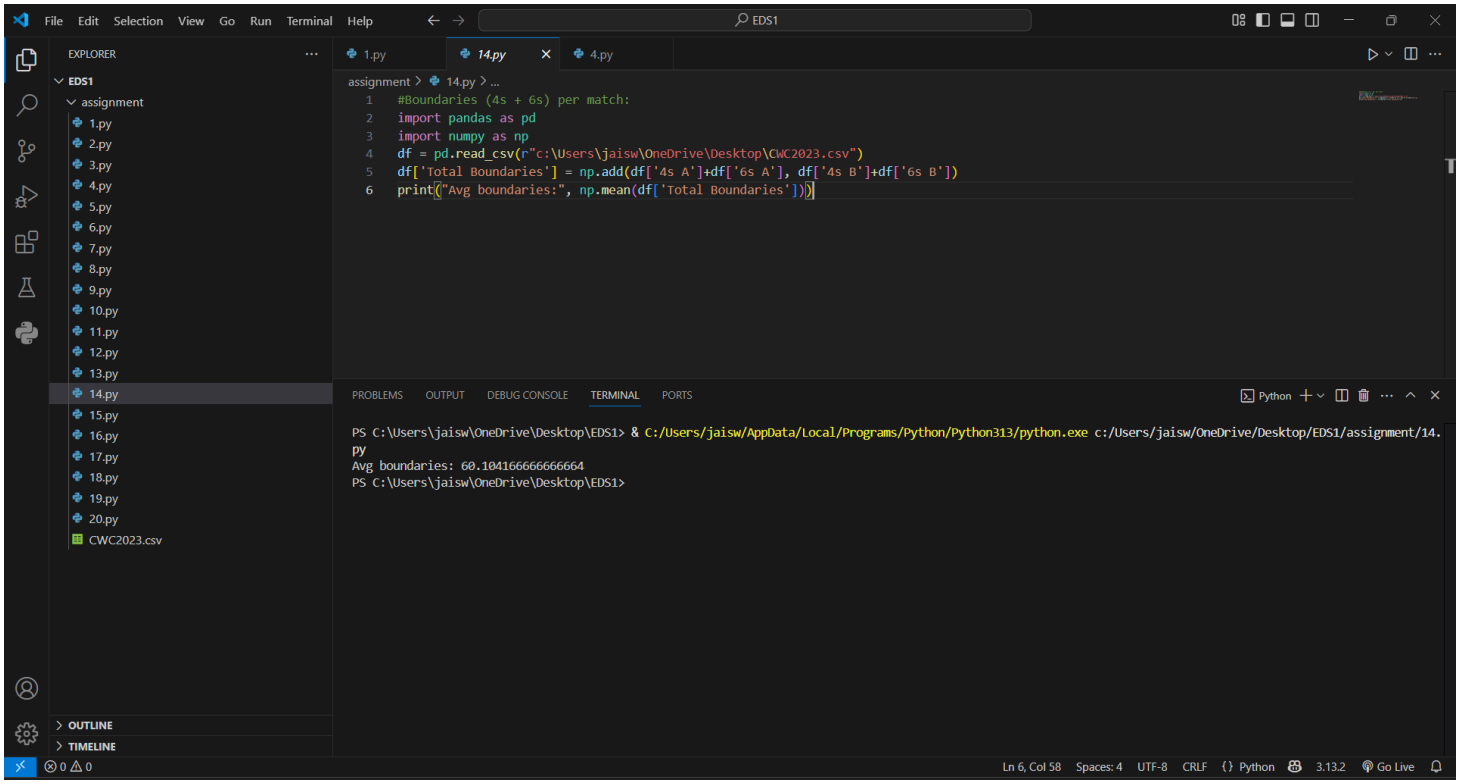
Code and output Screenshot:



Problem Statement 14:

Boundaries (4s + 6s) per match

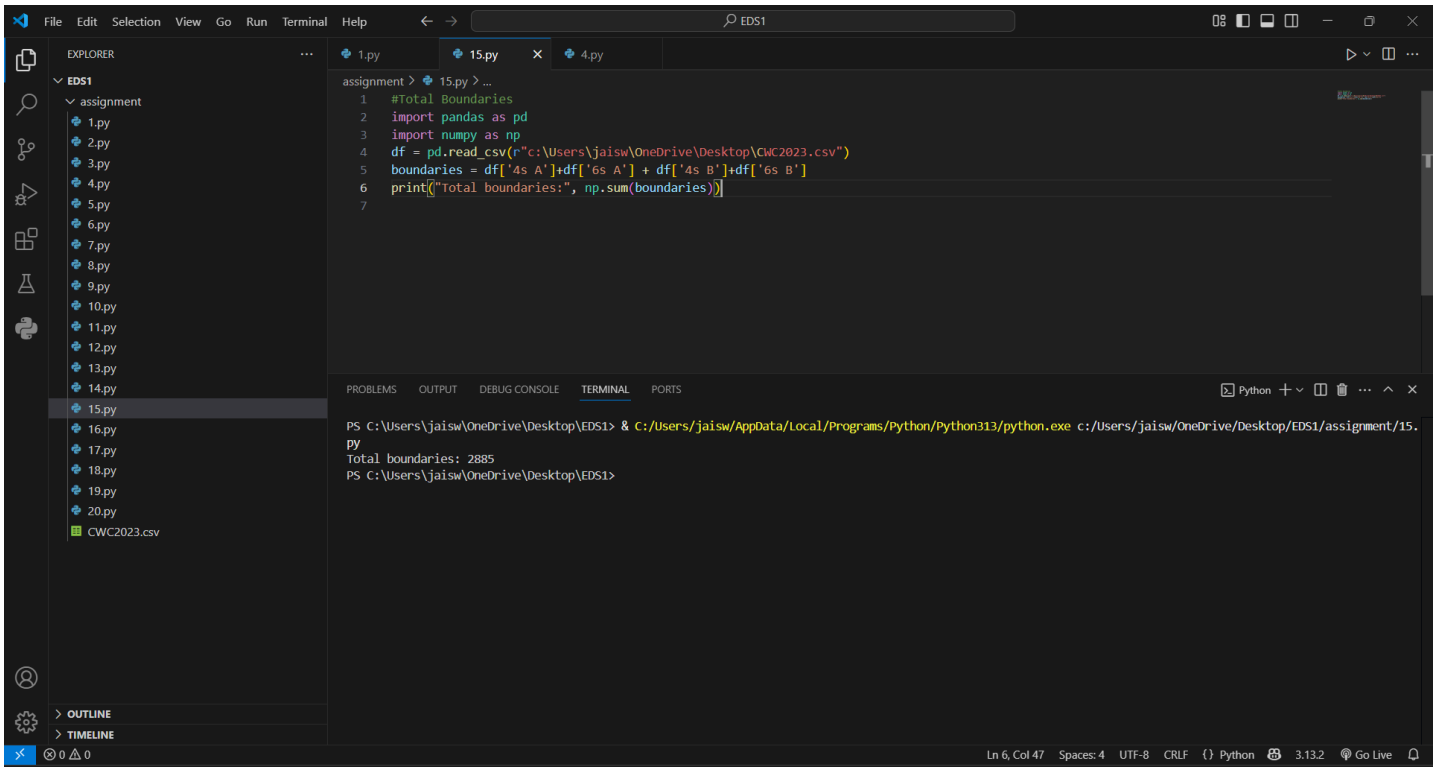
Code and output Screenshot:



Problem Statement 15:

Total Boundaries

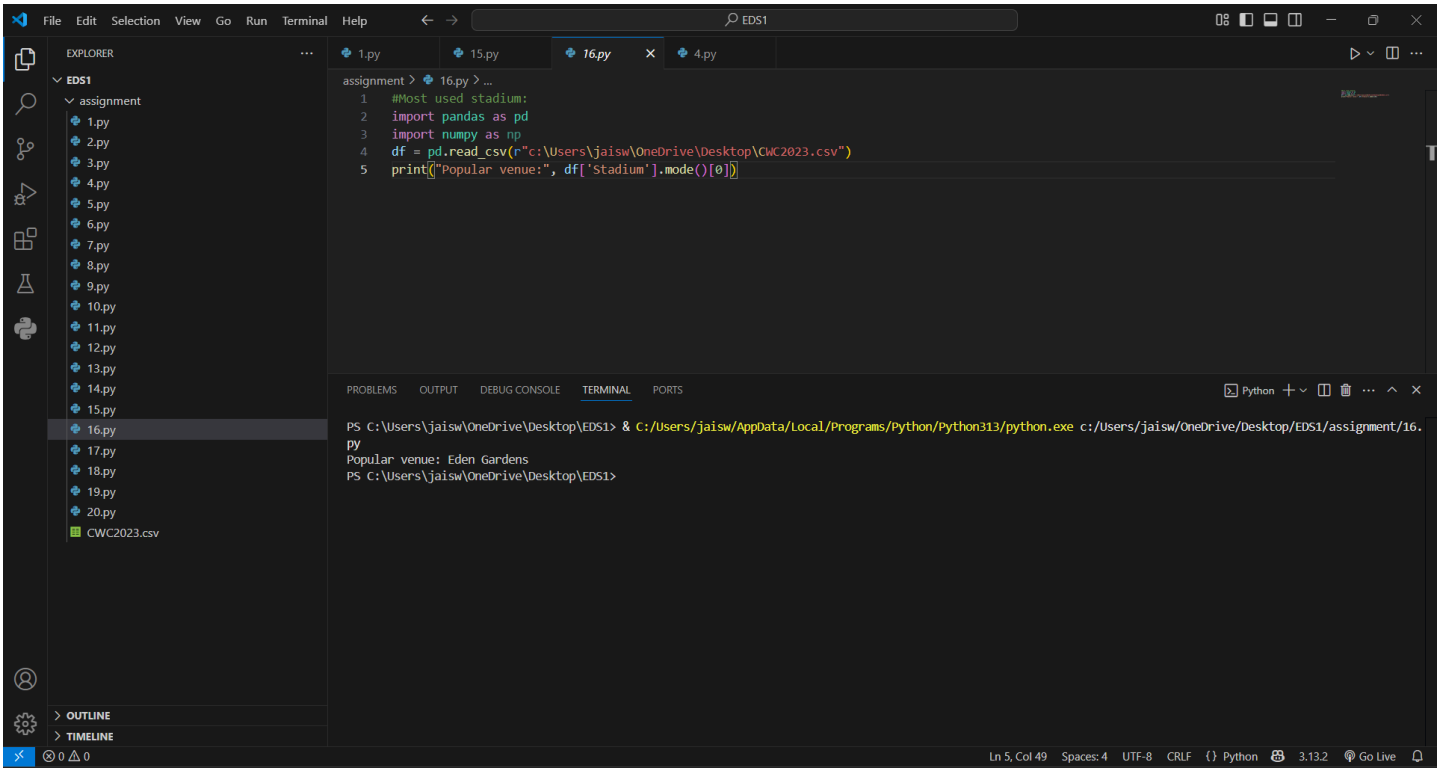
Code and output Screenshot:



Problem Statement 16:

Most used in stadium

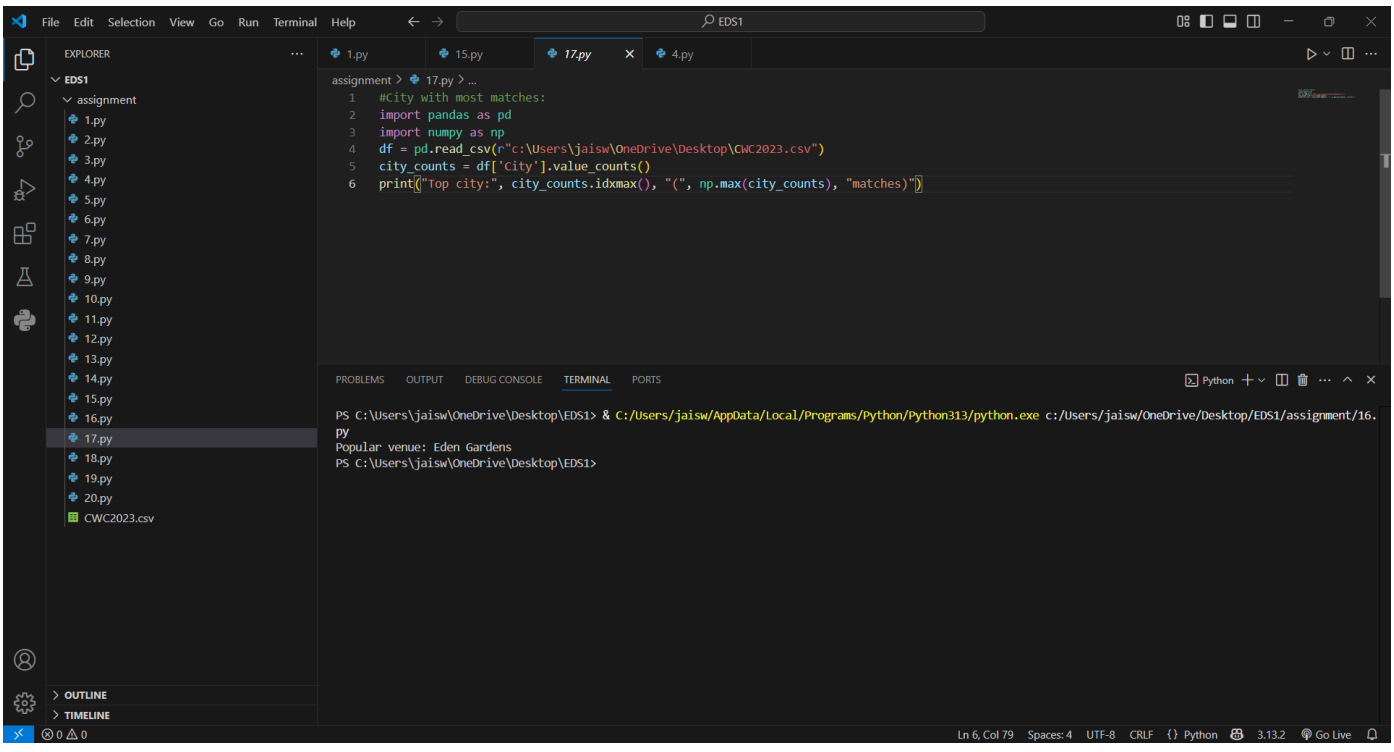
Code and output Screenshot:



Problem Statement 17:

City with most matches

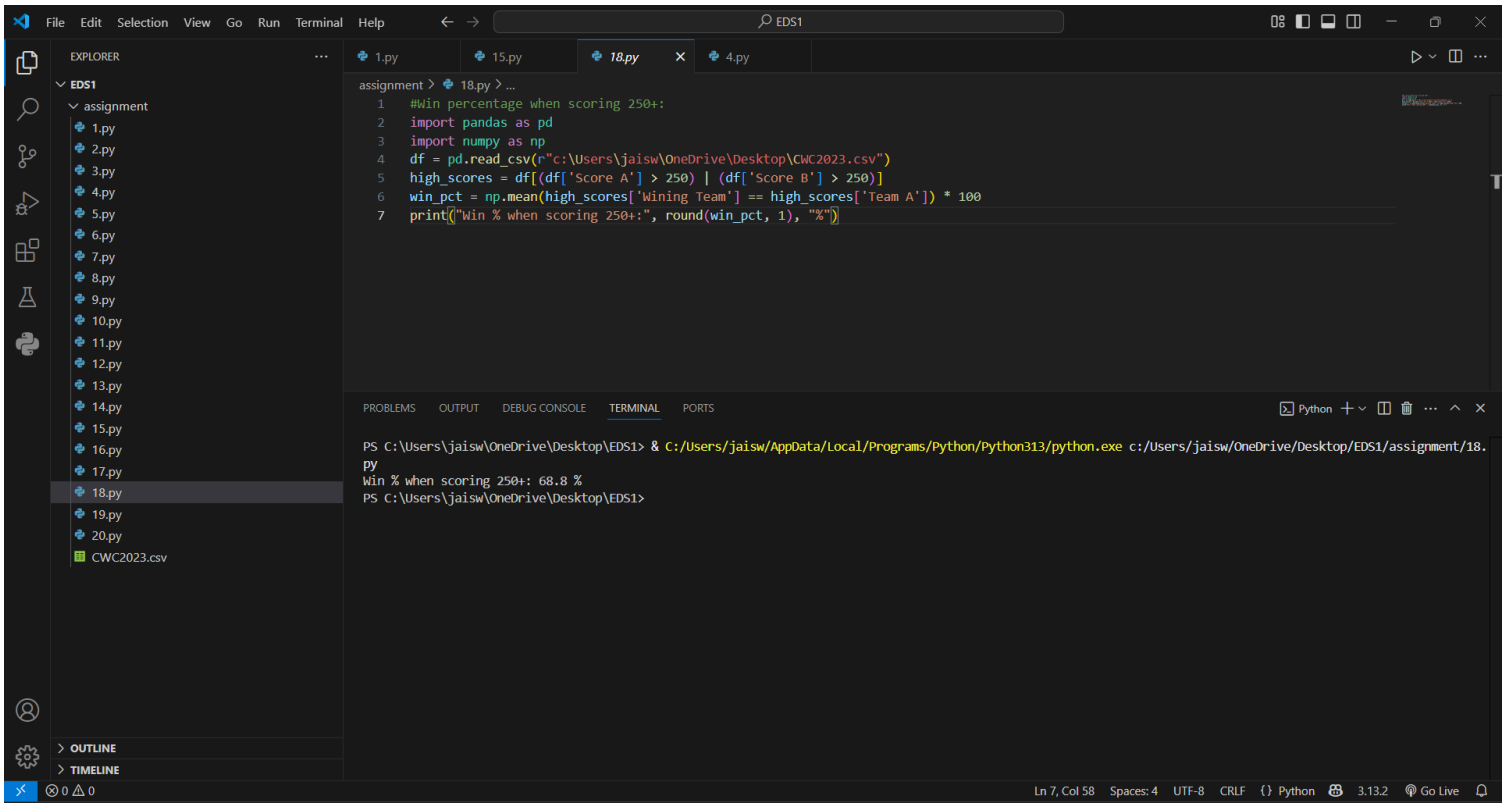
Code and output Screenshot:



Problem Statement 18:

Win percentage when scoring 250+

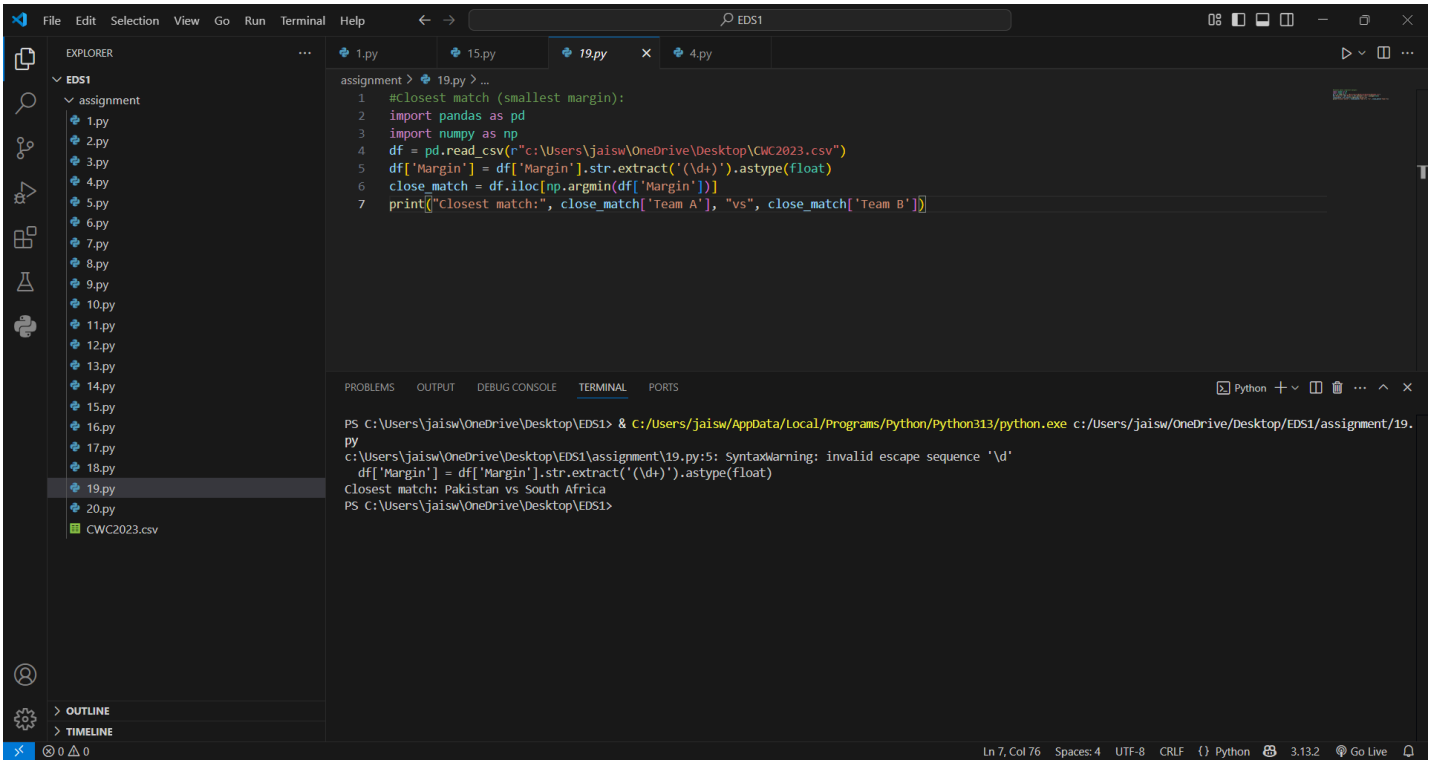
Code and output Screenshot:



Problem Statement 19:

Closest match (smallest margin):

Code and output Screenshot:



Problem Statement 20:

Extras analysis

Code and output Screenshot: